



Contribution ID: 29

Type: **Parallel talk**

## Charmed baryon physics at BESIII

*Wednesday, 5 July 2023 14:00 (25 minutes)*

BESIII has collected  $4.5 \text{ fb}^{-1}$  of  $e^+e^-$  collision data between 4.6 and 4.7 GeV. This unique data offers ideal opportunities to study  $\Lambda_{c^+}$  decays. We will report the partial wave analysis of  $\Lambda_{c^+} \rightarrow \Lambda \pi^+$  and the observations of Cabibbo-suppressed Decays  $\Lambda_{c^+}$  decays, including  $\Lambda_{c^+} \rightarrow n \pi^+$  etc. In addition, we will report the form factor measurement in  $\Lambda_{c^+} \rightarrow \Lambda e^+ \nu$  and  $\Lambda_{c^+} \rightarrow \Lambda \mu^+ \nu$ , the observation of  $\Lambda_{c^+} \rightarrow p K^- e^+ \nu$ , and the improved measurement of  $\Lambda_{c^+} \rightarrow \Lambda e^+ \nu$ .

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**Session Classification:** Parallel talks 3: Flavour & Precision Physics